GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:2636
ANSWERED ON:06.12.2001
PRODUCTION OF NCES
BASUDEB ACHARIA

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the amount spent by the Government directly/indirectly on the production of non-conventional energy during the last three years;

(b) the various units of non-conventional energy produced during the said period; and

(c) the various methods used for producing non-conventional energy in the country, method-wise, quantity-wise, during the said period?

Answer

MINISTER OF STATE FOR NON-CONVENTIONAL ENERGY SOURCES(INDEPENDENT CHARGE), (SHRI M. KANNAPPAN)

(a),(b)&(c): The Ministry has spent a total amount of Rs.947.32 crores for production of non-conventional energy during the last three years i.e. 1998-99 to 2000-01. During this period, it is estimated that about 9787 million units of electrical energy have been generated from major non-conventional energy sources of wind, small hydro and biomass energy in the country. The Ministry is promoting and implementing various non-conventional energy programmes / schemes for producing decentralised rural energy based on standalone systems and for producing power based on grid connected systems. Various systems/devices such as biogas plants, improved chulhas, small hydro power systems, biomass plants, wind power plants, solar energy plants and waste to energy plants are being set up throughout the country. The quantum of energy produced from the major power generating systems, method-wise, and the number of decentralized systems installed are given in the Annexure.

Annexure

Annexure referred to in reply to parts (a), (b)&(c) of Lok Sabha Unstarred Question No.2636 for 6.12.2001 regarding production of NCES.
Details of energy produced from the major power generating systems of non-conventional energy sources during the last three years (1998-99 to 2000-2001)

S.No.	Sources	Energy produced / generated (in million units)
1.	Wind Energy	4093
2.	Small Hydro Power	3236
3.	Biomass Cogeneration	2060
4.	Biomass Power	120
5.	Biomass Gasifier	184.2
6.	Waste to Energy	93.8
	Total	9787

Number of decentralized energy systems installed during the last three years (1998-99 to 2000-2001)

S. No.	Systems/devices	Systems installed
1.	Biogas Plants (Nos. in lakh)	4.89

2. Improved Chulha (Nos. in lakh) 55.05

3. Solar Photovoltaic
a. Solar Home Lighting (Nos.) 82,112
b. Solar Lanterns (Nos.) 1,72,493
c. Solar Street Lighting Systems (Nos.) 8,797
d. Solar Power Plants (kWp) 355
(kWp = Kilowatt Peak)